

Table L-2. Chemical composition of water samples taken from Steel Creek and Meyers Branch, November 1983 to January 1984

Constituent	Units	Average concentration at sample site						
		10	11	12	13	14	15	16
Water temperature	°C	9.9	9.6	9.5	11.1	12.0	12.7	12.7
pH	-	7.4	7.2	7.1	7.6	7.2	7.3	7.3
Specific conductance	μhos/cm	33	33	48	56	42	54	52
Dissolved oxygen	mg/liter	8.3	8.4	7.6	8.0	8.1	8.2	8.2
Alkalinity (CaCO ₃)	mg/liter	15.2	12.3	11.7	16.6	16.1	15.1	14.8
Chlorides	mg/liter	3.2	3.8	5.7	5.4	5.9	6.1	6.7
Total dissolved solids	mg/liter	1.9	3.6	2.3	8.1	18.7	16.7	15.4
Turbidity	NTU units	2.8	3.5	1.9	11.6	25.1	21.1	33.1
Total phosphorous (P)	mg/liter	0.012	0.020	0.043	0.050	0.053	0.054	0.038
Total orthophosphate (P)	mg/liter	0.016	0.010	<0.01	0.017	0.029	0.036	0.027
Dissolved orthophosphate (P)	mg/liter	<0.01	<0.01	<0.01	0.01	0.02	0.03	0.03
Nitrates (N)	mg/liter	0.07	0.08	0.09	0.18	0.26	0.27	0.28
Nitrites (N)	mg/liter	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Ammonia (N)	mg/liter	0.01	0.01	0.03	0.02	0.02	0.03	0.02
Total Kjeldahl nitrogen (N)	mg/liter	0.12	0.12	0.11	0.15	0.14	1.22	0.09